

CLAIMS

I claim:

1. A boat trailer comprising:

at least two side beams positioned adjacent to each other,

wherein each one of said side beams has a forward tongue forming portion converging toward the other one of said side beams for connection to a towing vehicle and a trailing boat-supporting portion extending parallel to the one of said side beams for supporting a boat thereupon,

wherein each said side beam has a top surface and a bottom surface,

at least one cross bar member extending between the boat-supporting portion of one of said side beam and the boat-supporting portion of the other one of said side beam,

wherein said cross bar member has a top surface and a bottom surface,

said side beam being connected to a hanger,

said hanger being connected to a spring,

said spring being connected to an axle,

a light bracket attached to the trailing end of said side beam,

wherein said light bracket has at least one vertical section and at least one horizontal section,

wherein at least one horizontal section of said light bracket is suitable for attachment to the bottom surface of said side beam and the top surface of said cross bar member, and

wherein said light bracket is mounted between the bottom surface of said side beam and the top surface of said cross bar member.

2. The trailer according to claim 1, wherein said side beam is an aluminum I-beam.

3. The trailer according to claim 1, wherein said cross bar member has holes in said bottom surface of said cross bar member.

4. The trailer according to claim 1, wherein said light bracket has two horizontal sections,

wherein at least a portion of one of said horizontal section is mounted between the bottom surface of said side beam and the top surface of said cross bar member, and

wherein a second horizontal section extends rearward of said side beam.

5. A boat trailer comprising:

two side beams positioned adjacent to each other,

wherein each one of said side beams has a forward tongue forming portion converging toward the other one of said side beams for connection to a towing vehicle and a trailing boat-supporting portion extending parallel to the one of said side beams for supporting a boat thereupon,

at least one cross bar member extending between the boat-supporting portion of one of said side beams and the boat-supporting portion of the other one of said side beams,

at least two identical hangers,
 wherein said two identical hangers are connected
 to each of said side beams,
at least one spring,
 wherein said spring has two ends,
 wherein a first end of said spring is received by
 one of said hangers,
at least two offset shackles,
 wherein each of said offset shackle has two ends,
 wherein a second end of said spring is connected
 to a first end of each of said offset shackles,
 wherein a second end of each of said offset
 shackles is connected to said other hanger,
at least one axle,
 wherein said axle is attached to said spring, and
 wherein said axle has a rubber-tired wheel
 attached thereto.

6. The trailer according to claim 5, wherein said hangers have relieved edges.

7. A boat trailer comprising:

 two side beams positioned adjacent to each other,
 wherein each one of said side beams has a forward
 tongue forming portion converging toward the
 other one of said side beams for connection to a
 towing vehicle and a trailing boat-supporting
 portion extending parallel to the one of said
 side beams for supporting a boat thereupon,
 at least one cross bar member extending between the
boat-supporting portion of one of said side beam and the
boat-supporting portion of the other one of said side beam,

said side beam being connected to a hanger,
said hanger being connected to a spring,
said spring being connected to an axle,
at least one fender,
 wherein said wheel is at least partially covered
 by said fender,
at least one fender step,
 wherein said fender step is connected to said
 fender and to said side beams,
 wherein said fender step has a top portion and a
 bottom portion, and
a fender light,
 wherein said fender light is connected to said
 fender step in said bottom portion of said fender
 step.

8. The boat trailer according to claim 7, wherein said fender light does not extend past said top portion of said fender step.

9. The boat trailer according to claim 7, wherein at least one of said fenders and said fender steps have cold-rolled edges.

10. A boat trailer comprising:
 two side beams positioned adjacent to each other,
 wherein each one of said side beams has a forward
 tongue forming portion converging toward the
 other one of said side beams for connection to a
 towing vehicle and a trailing boat-supporting
 portion extending parallel to the one of said
 side beams for supporting a boat thereupon,

at least one cross bar member extending between the boat-supporting portion of one of said side beam and the boat-supporting portion of the other one of said side beam, said side beam being connected to a hanger, said hanger being connected to a spring, said spring being connected to an axle, at least one hole in at least one of: said side beams, said cross bar member, and said axle, wherein said hole has at least two parallel edges.

11. The boat trailer according to claim 10, wherein said hole is square.

12. A process for making a boat trailer, wherein said boat trailer comprises:

two side beams positioned adjacent to each other, wherein each one of said side beams has a forward tongue forming portion converging toward the other one of said side beams for connection to a towing vehicle and a trailing boat-supporting portion extending parallel to the one of said side beams for supporting a boat thereupon, wherein each said side beam has a top surface and a bottom surface,

at least one cross bar member extending between the boat-supporting portion of one of said side beam and the boat-supporting portion of the other one of said side beam, wherein said cross bar member has a top surface and a bottom surface, said side beam being connected to a hanger, said hanger being connected to a spring, said spring being connected to an axle,

comprising:

punching at least one hole in at least one of: said side beams, or said cross bar member,
wherein said hole has at least two parallel edges.

13. A process for making a boat trailer according to claim 12, further comprising at least one of the following:

punching at least one hole in at least one fender,
wherein said wheel is at least partially covered by said fender,

punching at least one hole in at least one fender step,

wherein said fender step is connected to said fender and to said side beams,

wherein said fender step has a top portion and a bottom portion, and

wherein said hole has at least two parallel edges.

14. A process for making a boat trailer according to claim 12, further comprising punching at least one hole in at least one light bracket,

wherein said light bracket is attached to the trailing end of said side beam,

wherein said light bracket has at least one vertical section and at least one horizontal section,

wherein at least one horizontal section of said light bracket is suitable for attachment to the bottom surface of said side beam and the top surface of said cross bar member, and

wherein said light bracket is mounted between the bottom surface of said side beam and the top surface of said cross bar member,
wherein said hole has at least two parallel edges.

15. A process for making a boat trailer, wherein said boat trailer comprises:

two side beams positioned adjacent to each other,
wherein each one of said side beams has a forward tongue forming portion converging toward the other one of said side beams for connection to a towing vehicle and a trailing boat-supporting portion extending parallel to the one of said side beams for supporting a boat thereupon,
wherein each said side beam has a top surface and a bottom surface,
at least one cross bar member extending between the boat-supporting portion of one of said side beam and the boat-supporting portion of the other one of said side beam,
wherein said cross bar member has a top surface and a bottom surface,
said side beam being connected to a hanger,
said hanger being connected to a spring,
said spring being connected to an axle,
at least one fender,
wherein said wheel is at least partially covered by said fender,
at least one fender step,
wherein said fender step is connected to said fender and to said side beams,

wherein said fender step has a top portion and a bottom portion, and
a fender light,

wherein said fender light is connected to said fender step in said bottom portion of said fender step,

comprising:

folding a planar piece of metal or other suitable material to form said fender step.